



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

McElroy Metal, Inc.
1500 Hamilton Road
Bossier City, LA 71111

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "PBR-Panel " 0.023" (min.) Steel Structural Roof Panel

APPROVAL DOCUMENT: Drawing No. E, titled " PBR - Roof Panel ", sheets 1 through 5 of 5, prepared by McElroy Metal, Inc. Engineering Services Dept., signed and sealed by Terrence E. Wolfe, P.E. on October 29, 2008, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo:

1500 Hamilton Road	9700 Interstate 20	253 One Georgia Drive	460 Clay Road
Bossier City, LA 71111	Merkel, TX 79536	Ashburn, GA 31714	Sunnyvale, TX 75182

and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 09-0504.07 and consists of this page 1, evidence submitted pages E-1 & E-2 and approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
12/26/2013

NOA No. 13-1024.02
Expiration Date: 12/04/2018
Approval Date: 12/26/2013
Page 1

McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #08-1007.06

A. DRAWINGS

1. *Drawing No. E, titled " PBR - Roof Panel ", sheets 1 through 5 of 5, prepared by McElroy Metal, Inc. Engineering Services Dept., signed and sealed by Terrence E. Wolfe, P.E. on October 29, 2008.*

B. TESTS

1. *Test report on Large Missile Impact Test on PBR Roof Panel, prepared by Farabaugh Engineering and Testing, Inc., Report No. T296-07, dated April 22, 2008, signed and sealed by Daniel G. Farabaugh, P.E.*
2. *Test report per ASTM 1592 on PBR Roof Panel, Report No. T232-08, dated August 25, 2008, prepared by Farabaugh Engineering and Testing, Inc., signed and sealed by Daniel G. Farabaugh, P.E.*
3. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by PRI Asphalt Technologies, Report No. VLS-001-02-02, dated January 19, 2004, signed and sealed by Charles L. Thomas, P.E.*
4. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by PRI Asphalt Technologies, Report No. VLS-001-02-01, dated January 19, 2004, signed and sealed by Charles L. Thomas, P.E.*
5. *Susceptibility to leakage test in accordance with FM 4471, Appendix G, prepared by Farabaugh Engineering and Testing, Inc., Report No. T308-07, dated April 22, 2008, signed and sealed by Daniel G. Farabaugh, P.E.*

C. CALCULATIONS

1. *Calculations titled "PBR Panel, 24 Ga.", 6 pages, prepared by Terrence E. Wolfe, P.E., signed and sealed by Terrence E. Wolfe, P.E. on October 29, 2008.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Tensile Test, prepared by West Penn Material Evaluation, dated September 12, 2007.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0504.07

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor

NOA No. 13-1024.02

Expiration Date: 12/04/2018

Approval Date: 12/26/2013

McElroy Metal, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

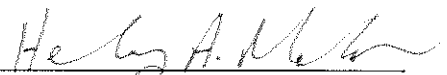
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. STATEMENTS

1. *Letter of compliance with the Florida Building Code, 2010 Edition, prepared by Force Engineering & Testing, Inc., dated October 04, 2013, signed and sealed by Terrence E. Wolfe, P.E.*

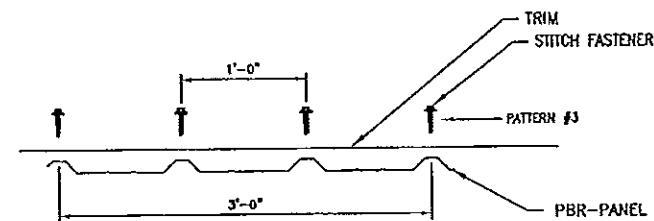
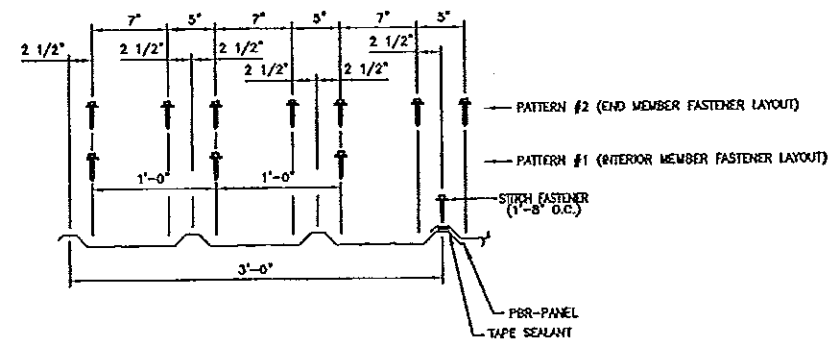


Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor

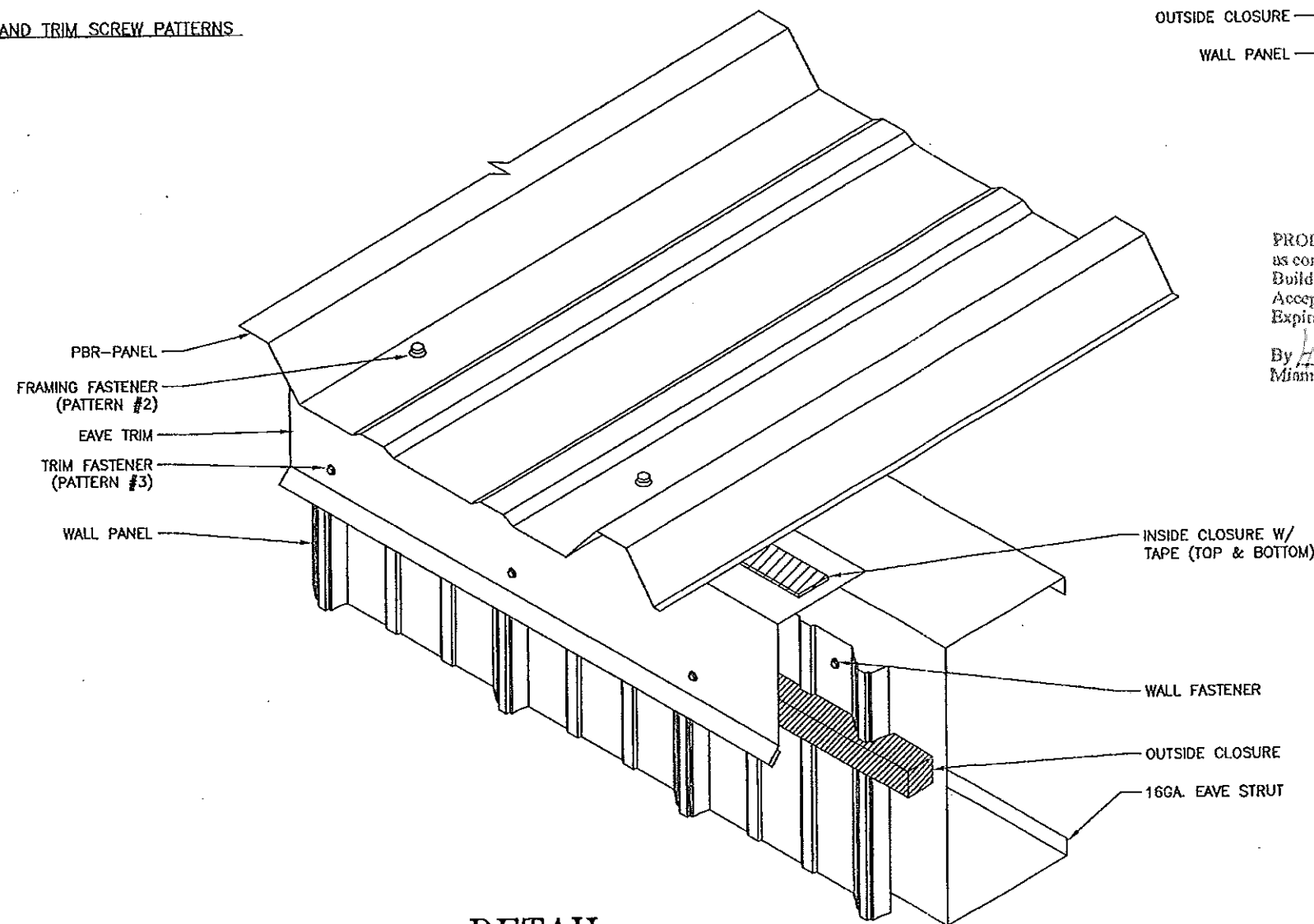
NOA No. 13-1024.02

Expiration Date: 12/04/2018

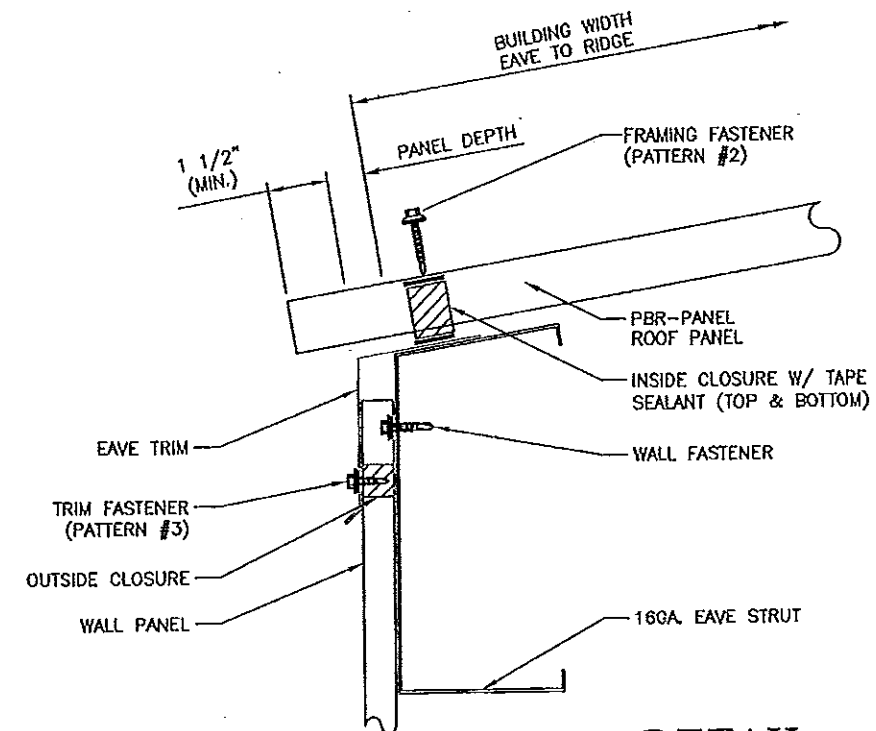
Approval Date: 12/26/2013



R-PANEL FRAMING AND TRIM SCREW PATTERNS



DETAIL
@ EAVE
(ISOMETRIC VIEW)

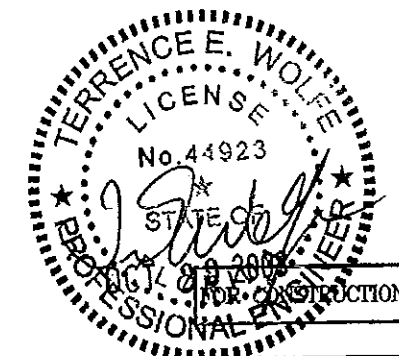


DETAIL
@ EAVE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-1024.02
Expiration Date 12/04/2018
By *Helmy A. Maher*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0504.07
Expiration Date 12/04/2013
By *Helmy A. Maher*
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date 12/04/2008
NOA# 08-1007-06
Miami Dade Product Control
Division
By *Helmy A. Maher*



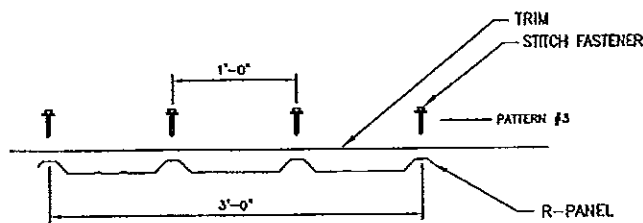
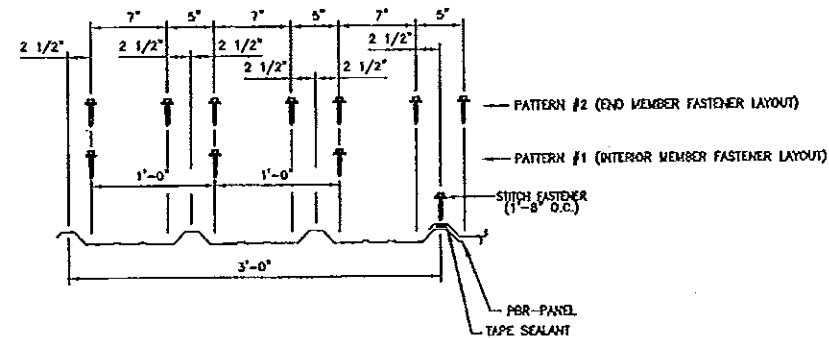
McELROY METAL, INC
ENGINEERING SERVICES DEPT.
1200 HAMILTON ROAD - BOSSIER CITY, LA 70707-5000



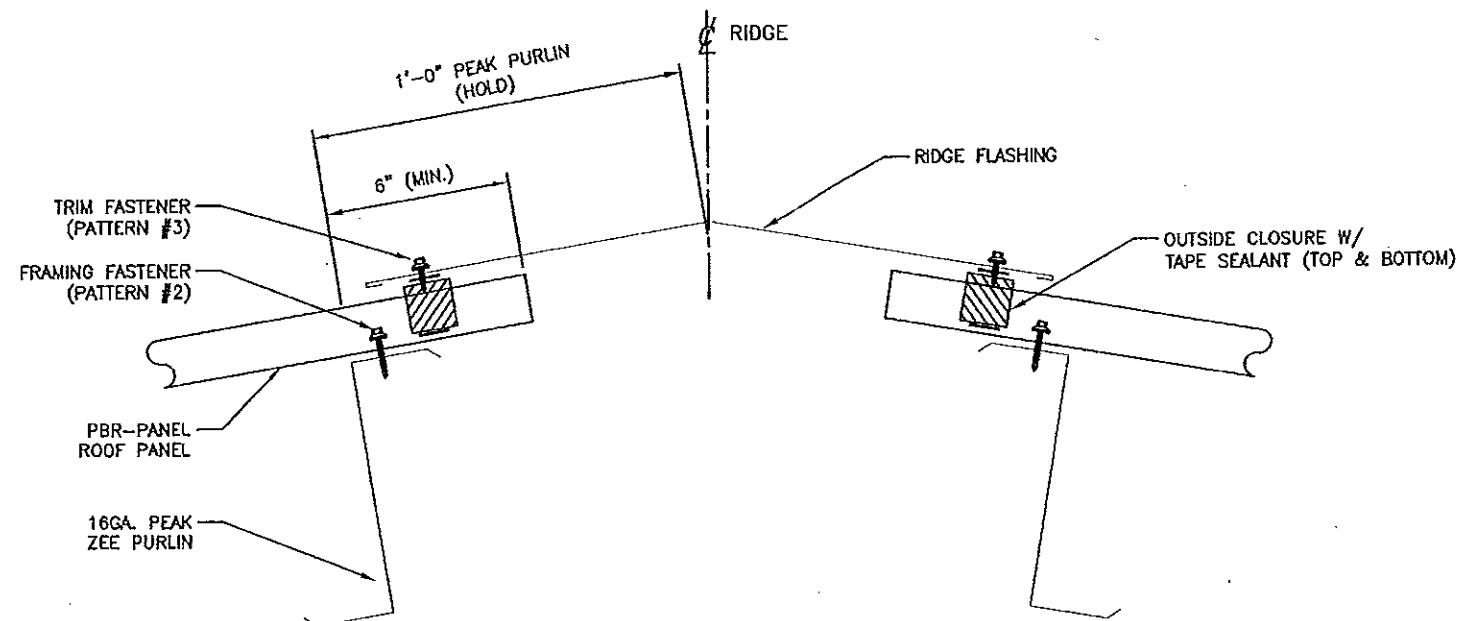
DADE COUNTY TESTING
PBR-PANEL WATERHEAD TEST
McELROY METAL, INC.
MANUF. ENG.: TERRENCE E. WOLFE, P.E.
FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 8/11/07
OWN. BY: J. PURDY
CHKD BY: E. OSTER
LOG NO.:
E1 OF 5

OCT 29 2008



R-PANEL FRAMING AND TRIM SCREW PATTERNS

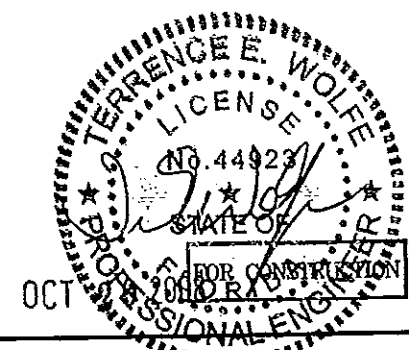


DETAIL
@ RIDGE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 13-1024.02
Expiration Date 12/04/2018
By *Healy A. Miller*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0504.07
Expiration Date 12/04/2013
By *Healy A. Miller*
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date 12/04/2008
NOA# 08-1007-26
Miami Dade Product Control
Division
By *Healy A. Miller*



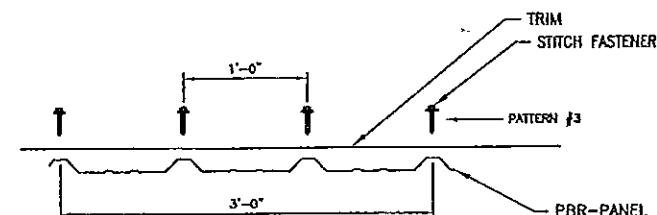
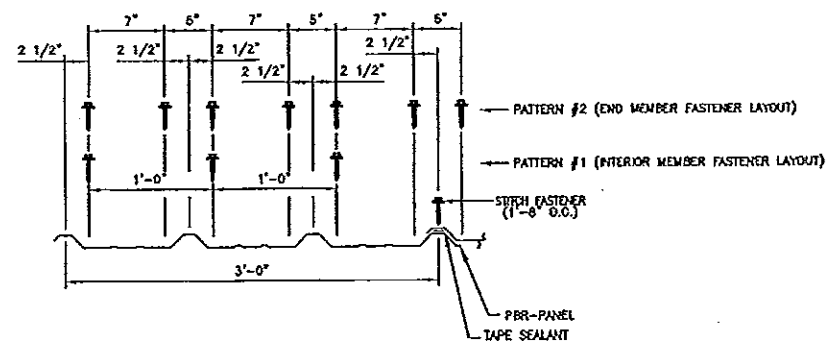
McELROY METAL, INC.
ENGINEERING SERVICES DEPT.
1500 HAMILTON ROAD - BOCA RATON CITY, FLA. 33433



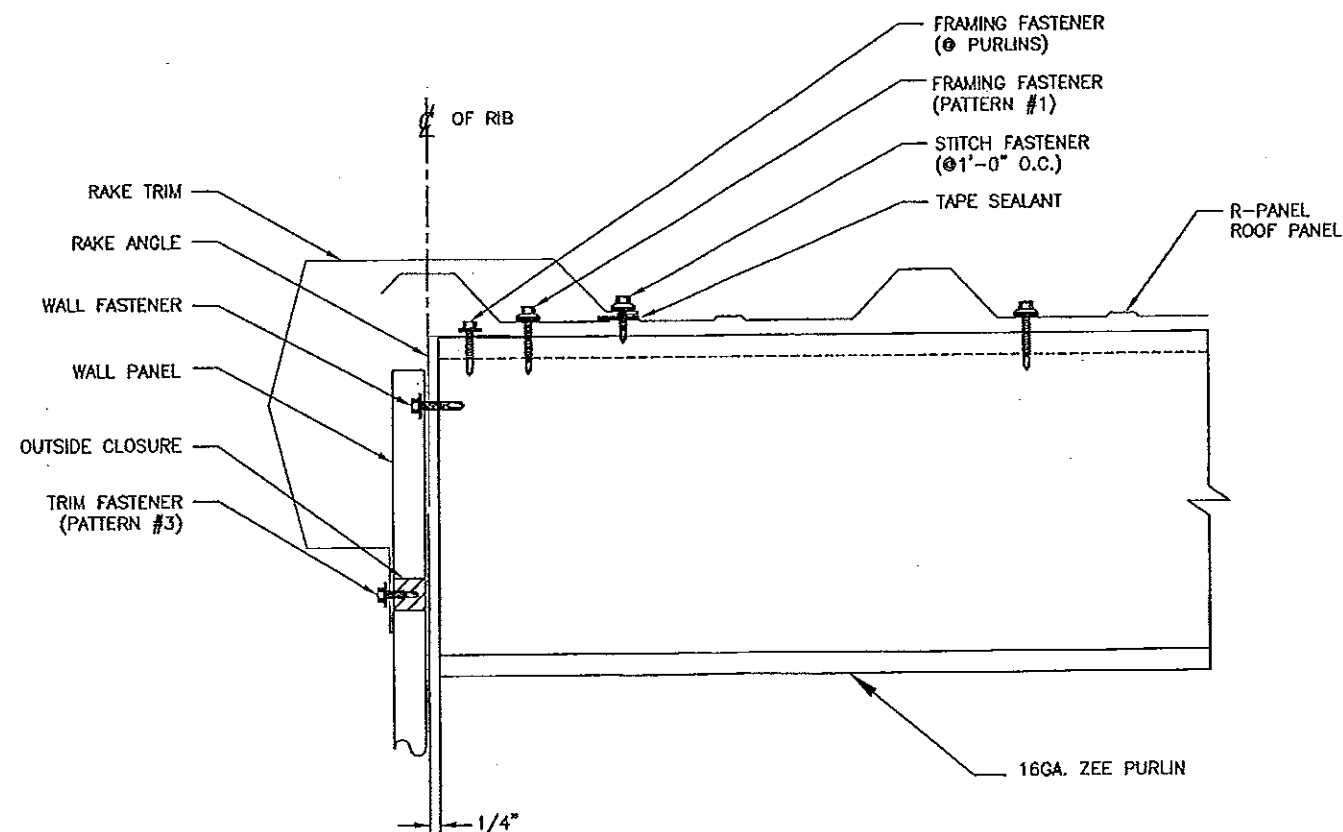
DADE COUNTY TESTING
PBR-PANEL WATERHEAD TEST
McELROY METAL, INC.
MAN'F. ENG.: TERRENCE E. WOLFE, P.E.
FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 8/11/07
OWN BY: J. PURDY
CHKD BY: E. OSTER
LOG NO.:
E2 OF 5
DATE: 08/11/07

OCT 29 2008



R-PANEL FRAMING AND TRIM SCREW PATTERNS

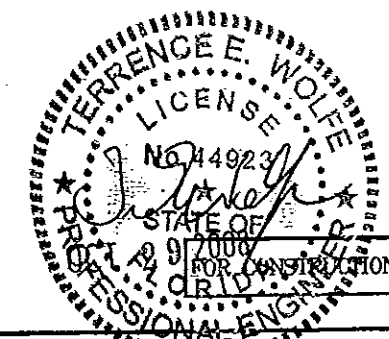


DETAIL
@ RAKE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-1024.02
Expiration Date 12/04/2018
By *Helmut A. Wolfe*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0504.07
Expiration Date 12/04/2013
By *Helmut A. Wolfe*
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date 12/04/2008
NOA# 08-1007.06
Miami Dade Product Control
Division
By *Helmut A. Wolfe*



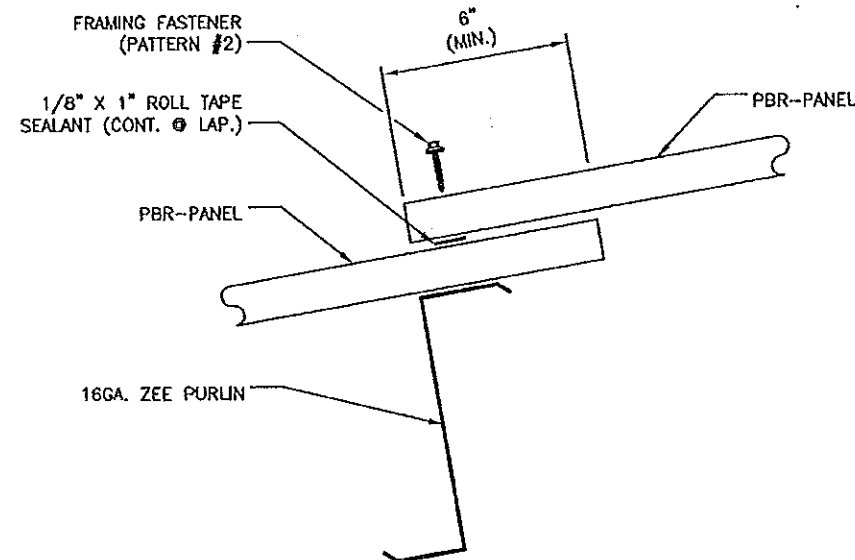
McELROY METAL, INC.
ENGINEERING SERVICES DEPT.
1500 HAMILTON ROAD - BOSSIER CITY, LA. (504) 747-8000



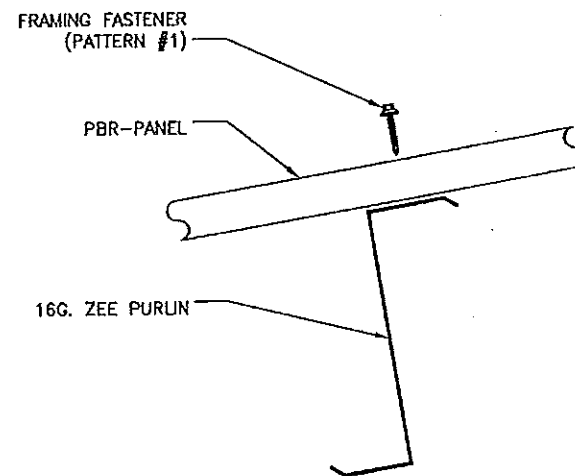
DADE COUNTY TESTING
PBR-PANEL WATERHEAD TEST
McELROY METAL, INC.
MAN'F. ENG.: TERRENCE E. WOLFE, P.E.
FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 6/11/07
OWN. BY: J. PUROY
CHKD BY: E. OSTEI
LOG NO.:
E3 OF 5
DATE: 10/29/08

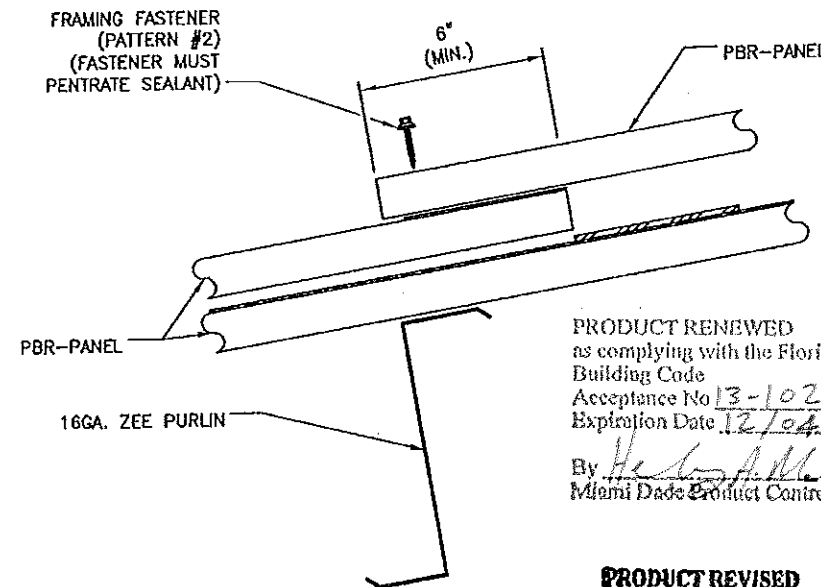
OCT 29 2008



DETAIL
@ PANEL LAP



DETAIL
@ INTERMEDIATE PURLIN

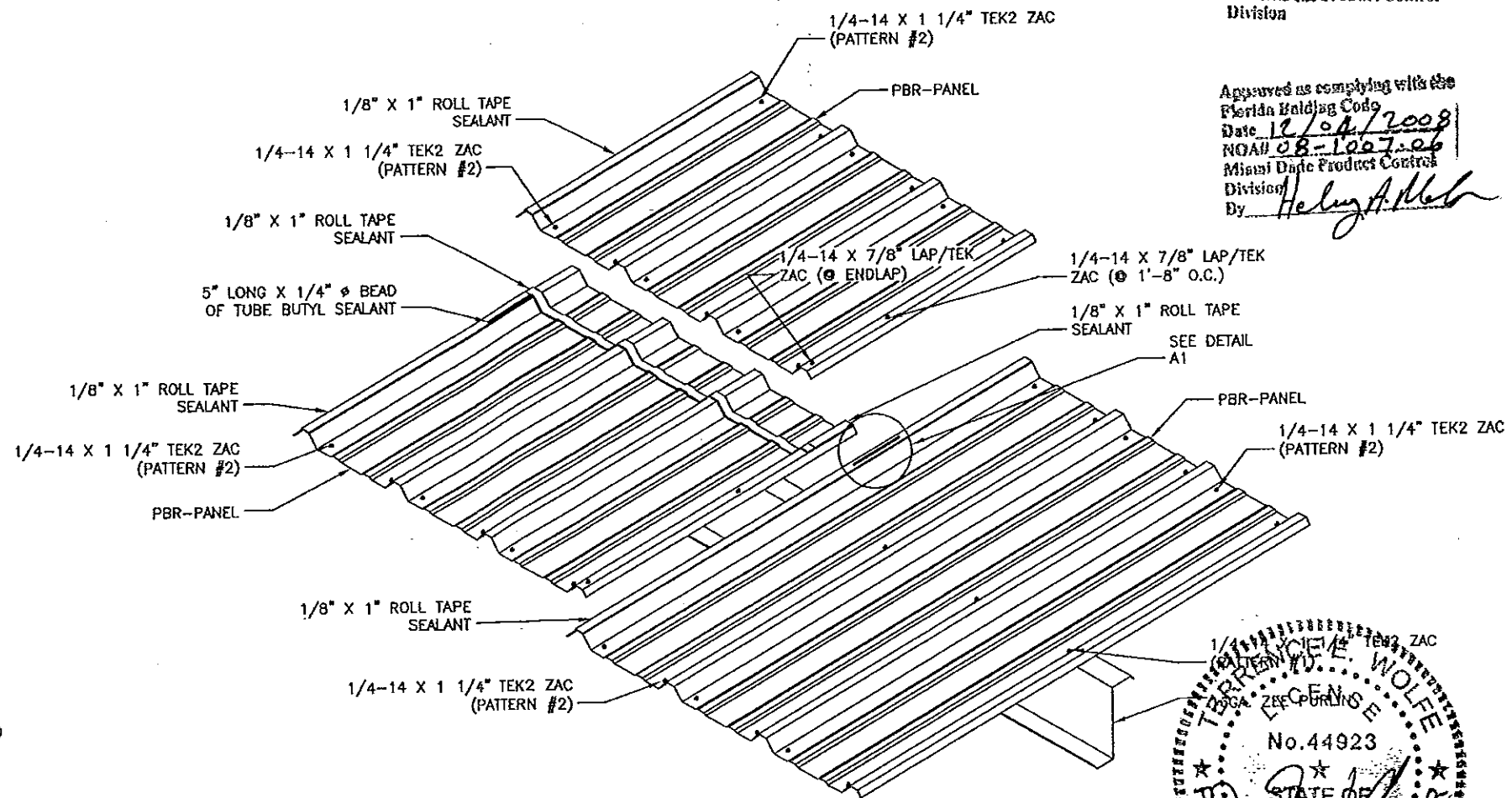
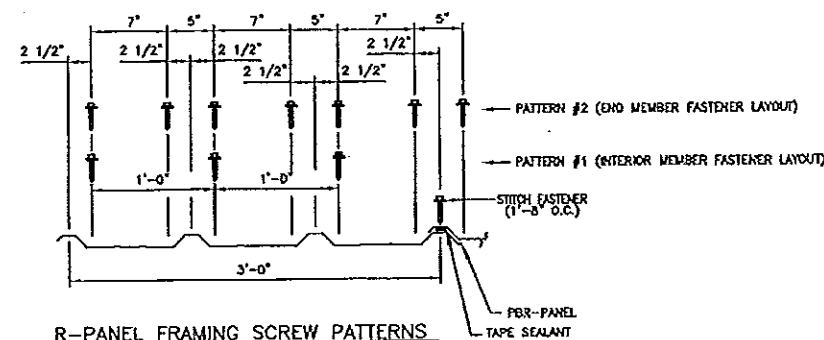


DETAIL A1

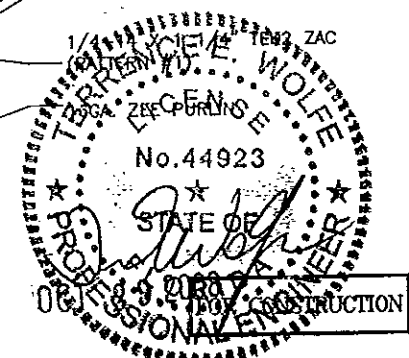
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-1024.02
Expiration Date 12/04/2018
By *Helmut A. Mub*
Miami Dade Product Control

PRODUCT REVISED
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Building Code
Acceptance No. 09-0504.07
Expiration Date 12/04/2013
By *Helmut A. Mub*
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date 12/04/2008
NOAH 08-1007.06
Miami Dade Product Control
Division
By *Helmut A. Mub*



DETAIL
@ PANEL LAP
(ISOMETRIC)



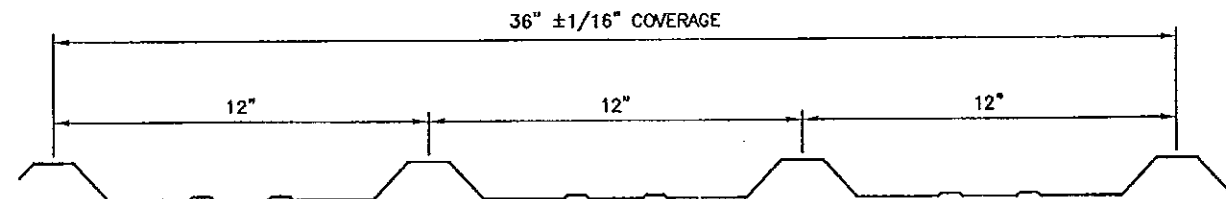
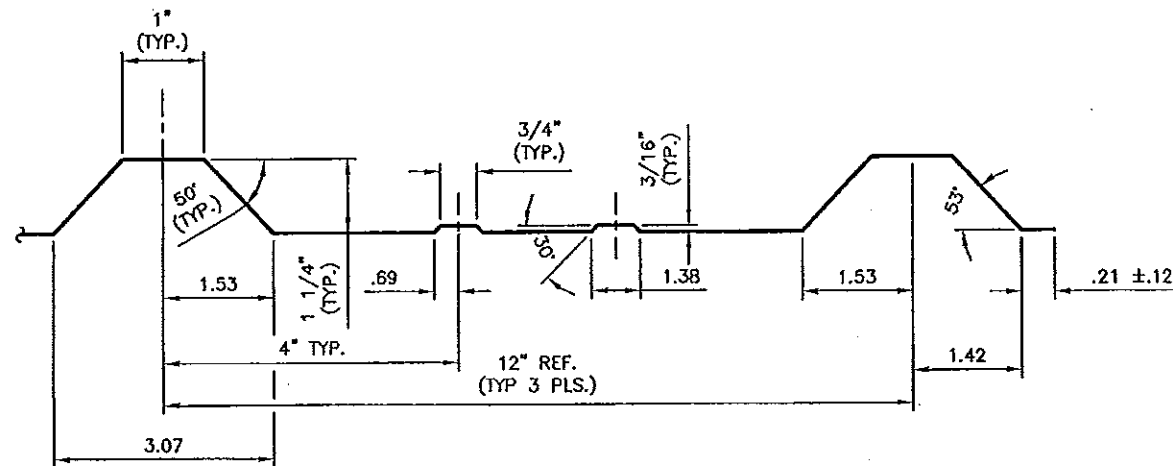
McELROY METAL, INC.
ENGINEERING SERVICES DEPT.
1500 HAMILTON ROAD - BOCCIER CITY, LA. (504) 747-0000



DADE COUNTY TESTING
PBR-PANEL WATERHEAD TEST
McELROY METAL, INC.
MANUF. ENG.: TERRENCE E. WOLFE, P.E.
FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 6/11/07
OWN. BY: J. PURDY
CHKD BY: E. OSTER
LOG NO.:
E4 OF 5
CNC: 0001 NO. 1000

OCT 29 2008



PBR-PANEL

- NOTES:**
- THE MAXIMUM UPLIFT DESIGN PRESSURE SHALL BE CALCULATED USING THE FOLLOWING ALLOWABLES.
 - POSITIVE PRESSURE
 - A) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 119.75 FT. LB.
 - B) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 95.8 FT. LB.
 - C) MAXIMUM ALLOWABLE DEFLECTION OF ROOF PANEL = L/240
 - D) MAXIMUM SUPPORT REACTION = 95.8 LBS. EXT.
= 263.45 LBS. INT.
 - E) $EI = 1.4278 \times 10^4 \text{ LB-IN}^2$
 - NEGATIVE PRESSURE
 - A) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL AT SUPPORTS = 106.75 FT. LB.
 - B) MAXIMUM ALLOWABLE BENDING MOMENT OF THE PANEL BETWEEN SUPPORTS = 85.4 FT. LB.
 - C) MAXIMUM ALLOWABLE DEFLECTION OF ROOF PANEL = L/240
 - D) MAXIMUM SUPPORT REACTION = 85.4 LBS. EXT.
= 234.85 LBS. INT.
 - E) $EI = 1.2728 \times 10^4 \text{ LB-IN}^2$
 - THE MAXIMUM ALLOWABLE SPANS & PRESSURES ARE AS FOLLOWS:
 - POSITIVE PRESSURE

SPAN	PRESSURE
5'-0"	47.9 PSF
2'-0"	156.65 PSF
 - NEGATIVE PRESSURE

SPAN	PRESSURE
5'-0"	42.7 PSF
2'-0"	117.65 PSF

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-1024.02
Expiration Date 12/04/2018
By Heidi A. Miller
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 09-0504.07
Expiration Date 12/04/2013
By Heidi A. Miller
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date 12/04/2008
NOA# 08-1007.06
Miami Dade Product Control
Division
By Heidi A. Miller

PANEL ACCESSORIES

1/4-14 X 7/8" UP/TEX ZAC
BY: SFS INTEC
* SEE NOTE BELOW

1/4-14 X 1 1/4" TEX2 ZAC
BY: SFS INTEC
* SEE NOTE BELOW

NOTE:
ZAC IS A ZINC ALUMINUM CAP
WITH A 5/8" DIA. NEOPRENE
SEALING WASHER.



SEALASTOMER 511 TUBE SEALANT
BY: SBA

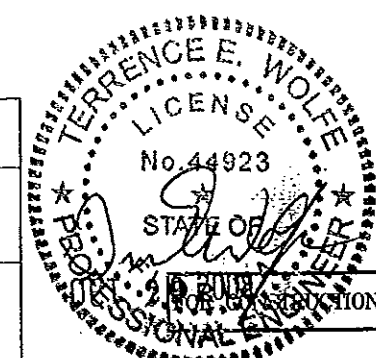


SEALFLEX 201 URETHANE TUBE SEALANT
BY: SBA

1/8" X 1" BUTYL ROLL TAPE SEALANT
BY: SCHWEE-MORHEAD

PANEL PROPERTIES

ASTM	PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	STEEL COATING	PAINT COATINGS
A792	24	.023 (MIN.)	50 KSI (MIN.)	65 KSI (MIN.)	AZ 55 (BARE) AZ 50 (PAINTED)	KYNAR 500



OCT 29 2008

McELROY METAL, INC
ENGINEERING SERVICES DEPT.
1500 HAMILTON ROAD - BOBBIER CITY, LA. (515) 747-4000



DADE COUNTY TESTING
PBR-PANEL WATERHEAD TEST
McELROY METAL, INC.
MAN'F. ENG.: TERENCE E. WOLFE, P.E.
FL REGISTRATION #: 44923

SCALE: N.T.S.
DATE: 6/1/07
OWN. BY: J. PURDY
CHKD BY: E. OSTEI
LOG NO:
E5 OF 5
DATE: 08/11/07